

A NEW GASTROPOD FROM NEW JERSEY.¹

BY H. A. PILSBRY.

At the regular weekly meeting of the Academy of Natural Sciences of Philadelphia, October 18, 1892, Mr. H. A. Pilsbry exhibited a series of specimens of a large species of *Chrysodomus*, belonging to the subgenus *Sipho*, which he had received from Messrs Witmer Stone, Chas. LeRoy Wheeler and John Ford. He stated that the specimens were cast upon the shore during severe gales from the south east, and were evidently derived from a submarine stratum which was disturbed and broken up at those times. Associated with the *Chrysodomus* were examples of *Buccinum undatum*, *Urosalpinx cinereus* of extraordinary dimensions, and *Chrysodomus* (*Sipho*) *Stimpsonii*, the latter being well developed and typical in sculpture. The age of the deposit cannot be definitely settled at present, but the evidence at hand indicates that it is post-pliocene.

The following description of the new species was offered :

CHRYSODOMUS (*SIPHO*) *STONEI* (Pl. III, figs. 1, 2, 3). Shell obese-fusiform, rather thick and solid, with strongly convex whorls separated by deep sutures. Sculpture consisting of strong spiral cords, equal on young specimens and on the spires of adults, but which alternate with smaller intermediate cords on the body-whorl in full grown specimens. A young shell therefore has about 20, an adult 40 spirals upon the body-whorl. The aperture is oval: the canal is strongly curved to the left and backward.

Length 72, greatest diam. 45 mm.; length of aperture and canal 51 mm. The largest individual measures, length 100, breadth 64, length of aperture 73 mm. Both of these, as well as all specimens seen, have lost several of the earlier whorls; so the length of a perfect individual would be proportionately greater.

The more prominent features of this species are the swollen form, deep sutures, the strong spiral sculpture, and the strongly recurved canal.

The localities whence specimens have been obtained are as follows: Point Pleasant, N. J. (Witmer Stone); Sea Isle City, N. J. (John Ford, Oct., 1892); Cape May, N. J. (C. LeRoy Wheeler, 1891.)

Prof. A. E. Verrill of Yale College very kindly compared specimens of this species with the collection under his charge (a collection vastly richer than any other in mollusks of the north-west Atlantic.) He writes as follows:

"I have made a careful comparison of the *Sipho* sent by you with our series.

"It differs notably from any thing we have, and is probably, as you suppose, an undescribed species, unless described as a fossil. We have specimens of the ventricose varieties of *S. Stimpsoni*, which equal this in stoutness, and nearly equal it in curvature of the columella, but the whorls are less ventricose, the shoulder less swollen, the sutural region less deep, and the sculpture is very much finer."

Comparisons have also been made by myself with the Atlantic Siphos in the U. S. National Museum, and of course with the recent and fossil series in the collection of the Academy.

SHELLS OF HENRY CO., INDIANA.

BY E. PLEAS.

To judge from such works on the Mollusca as I have had access to, Indiana has not been regarded as having a Molluscan fauna worthy of the attention of the Conchologist. It is not often mentioned in giving localities. W. G. Binney in his very valuable Manual of Am. Land Shells, prints a list of his large collection as presented to the Smithsonian Institute; some 312 species and varieties, only mentions a beggarly 4: *Zonites fuliginosus*, *Patula solitaria*, *Triodopsis appressa* and *T. inflecta* as hailing from the Hoosier State.

I have been a student and collector of Mollusca for several years and have made it a point to secure our home shells first, and am able to present the following list collected within 5 miles of my residence near Dunreith, Indiana.

Mesodon albolabris Say.	striatella Anth.
elevatus Say.	Polygyra leporina, Gould.
thyroides Say.	Stenotrema stenotremum Fer.
" var bucculenta.	monodon Rack.
Mesoden exoletus Binn.	" var. leaii.
profundus Say.	" var. fraternum.
multilineatus Say.	hirsutum Say.
Sayii Binn.	maxillata? Gould.
clausus Say.	Triodopsis fallax Say.
pennsylvanicus Green.	tridentata "
Patula alternata Say.	palliata "
" var. carinata.	inflecta "
perspectiva Say.	appressa "
solitaria "	Zonites ligerus Say.